

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	22	nagamatsu.in. and membrane.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/03/08 15:45
S1	130569	(separat\$3 or purify\$3) same membrane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 10:14
S2	86	S1 same saponified	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/10 11:42
S3	8	S2 same (DNA or RNA or nucleic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/10 11:42
S4	8	S1 and acetylcellulose and triacetylcellulose	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/10 11:52
S5	90014	mori.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/10 11:53
S6	240	S5 and nucleic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/10 11:53
S7	1124	(separat\$3 or purify\$3) same (adsorb\$3 or desorb\$3) same (DNA or RNA or nucleic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/13 12:11
S8	538	S7 and membrane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/13 12:12

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S9	8	S8 and (acetylcellulose)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/13 12:12
S10	33	S7 and (thickness same membrane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/14 10:40
S11	448	non-porous same cellulose same membrane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/13 16:57
S12	69	non-porous near3 cellulose near3 membrane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/13 16:58
S13	130672	(separat\$3 or purify\$3) same membrane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/13 16:58
S14	68	S13 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/13 16:58
S15	3	S14 and nucleic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/13 16:58
S16	474	(DNA or RNA or nucleic) same membrane same thick\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/14 16:07
S17	96	S16 and cellulose and acetate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/14 10:41
S18	474	(DNA or RNA or nucleic) same membrane same thick\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/14 16:07

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S19	167	S18 same ("10" or "500")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/14 16:09
S20	45	S18 same cellulose	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/14 16:10
S21	45	S20 same (S18 or "5" or "10" or "100" or "500")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/14 16:12
S22	65	(nucleic or DNA or RNA) same porous same membrane same thick\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2005/09/14 16:13
S23	86	(separat\$3 or purify\$3) same (DNA or nucleic) same ("10" or "20" or "30" or "40" or "50" or "60" or "70" or "80" or "90" or "100" or "110" or "120" or "130" or "150" or "160" or "170" or "180" or "190" or "200") same micron same (thick\$4 or thin\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/20 12:38
S24	23	(separat\$3 or purify\$3) same (DNA or nucleic) same ("10" or "20" or "30" or "40" or "50" or "60" or "70" or "80" or "90" or "100" or "110" or "120" or "130" or "150" or "160" or "170" or "180" or "190" or "200") same micron same (thick\$4 or thin\$4) same (filter or membrane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/20 12:38
S25	104	(isolat\$3) same (nucleic or DNA) same (membrane or filter) same (thick\$4 or thin\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/20 13:32
S26	200	(isolat\$3) same (nucleic or DNA) same (membrane or filter) same (micron)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/20 13:39
S27	21	(flow adj through) same (DNA or nucleic) same (membrane or filter) same (thick\$4 or thin\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/20 13:41

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S28	39	(separat\$3 or purify\$3) same membrane same pressure same difference same (DNA or nucleic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 10:18
S29	87	(separat\$3 or purify\$3) same pressure same difference same (DNA or nucleic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 10:20
S30	67	adsorb\$4 same (DNA or nucleic) same (membrane or filter) same (pressure or suction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 10:29
S31	1504	PCR same vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 10:29
S32	2377	(DNA or nucleic) same vacuum same (membrane or filter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 10:30
S33	94	(DNA or nucleic) same vacuum same (membrane or filter) same (thick\$4 or thin\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 10:31
S34	58	(DNA or nucleic) same vacuum same (membrane or filter) same micron	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 10:33
S35	11	qiagen.as. and (vacuum same (membrane or filter))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 11:11
S36	11	qiagen.as. and ((membrane or filter) same (thick\$4 or thin\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 10:37
S37	10	qiagen.as. and ((membrane) same (thick\$4 or thin\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 10:37

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S38	14	qiagen.as. and (pcr same purification)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 11:12
S39	21	qiagen.as. and (pcr same purif\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 11:14
S40	34	(nucleic same purif\$7) same (vacuum same membrane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 11:15
S41	141	(nucleic same purif\$7) and (vacuum same membrane same elut\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 11:20
S42	159	(nucleic same purif\$7) and (organic same (membrane or filter)) and (vacuum same elut\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 11:25
S43	0	(nucleic same purif\$7 same organic same membrane) and (thick\$4 same micron)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 11:26
S44	14	(nucleic same purif\$7 same organic same membrane) and (thick\$4 same membrane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 11:28
S45	187	(nucleic same purif\$7 same membrane) and (thick\$4 same membrane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 11:28
S46	53	(high adj throughput) same purification same pcr same product	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 11:46
S47	5	((high adj throughput) near3 purification) same pcr same product	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 11:48

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S48	0	qiagen.as. and minelute	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 11:48
S49	0	qiagen.as. and (pcr adj purification)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 11:52
S50	0	qiagen.as. and (nucleic adj purification)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 11:48
S51	99	(elut\$3 same (DNA or nucleic) same membrane) and (membrane near10 (thick\$4 or thin\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/01/23 11:53
S52	37	demmer.in. and membrane.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/03/04 15:02
S53	31	demmer.in. and (adsor\$5 near3 membrane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/03/04 15:02
S54	42	(membrane same centrif\$7 same nucleic same adsor\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/03/04 15:53
S55	31	(costar adj spin-x)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/03/04 16:38
S56	0	bullseye near5 electrophoresis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/03/04 16:38
S57	22	colpan.in. and membrane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/03/08 13:20

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S58	6	colpan.in. and (membrane near5 thickness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/03/08 13:41
S59	6	colpan.in. and (membrane near10 thickness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/03/08 13:22
S60	2	"4483825".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/03/08 13:41

L1 FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 15:17:49 ON 08 MAR 2006
13 SEA MEMBRANE AND (THICK? OR THIN?) AND FILTER AND NUCLEIC
D L1 1-13 BIB AB
L2 12 SEA MEMBRANE AND (THICK? OR THIN?) AND ADSOR? AND NUCLEIC
D L2 1-12 BIB AB

FILE HOME

FILE MEDLINE

FILE LAST UPDATED: 7 MAR 2006 (20060307/UP). FILE COVERS 1950 TO DATE.

On December 11, 2005, the 2006 MeSH terms were loaded.

The MEDLINE reload for 2006 is now (26 Feb.) available. For details on the 2006 reload, enter HELP RLOAD at an arrow prompt (=>).
See also:

<http://www.nlm.nih.gov/mesh/>
http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html
http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.html
http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_2006_MeSH.html

OLDMEDLINE is covered back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2006 vocabulary.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE BIOSIS

FILE COVERS 1969 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 1 March 2006 (20060301/ED)

FILE CAPLUS

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FILE COVERS 1907 - 8 Mar 2006 VOL 144 ISS 11

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L2 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1991:675222 CAPLUS
 DN 115:275222
 TI Separating **membrane** preparation and separation method,
 especially for pyrogen removal
 IN Nagamatsu, Shinji; Tanaka, Yoshikazu; Shibata, Tohru
 PA Daicel Chemical Industries, Ltd., Japan; Tanabe Seiyaku Co., Ltd.
 SO Can. Pat. Appl., 48 pp.
 CODEN: CPXXEB

DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CA 2022924	AA	19910210	CA 1990-2022924	19900808
	JP 03068435	A2	19910325	JP 1989-206336	19890809
	US 5032281	A	19910716	US 1990-556293	19900720
	DD 296620	A5	19911212	DD 1990-343087	19900726
	EP 418517	A2	19910327	EP 1990-114521	19900727
	EP 418517	A3	19920722		
	EP 418517	B1	19940622		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	ES 2058701	T3	19941101	ES 1990-114521	19900727
	CN 1049296	A	19910220	CN 1990-106760	19900808
	CN 1028492	B	19950524		
	US 5136032	A	19920804	US 1990-619937	19901129
	JP 03238004	A2	19911023	JP 1990-334455	19901130
	CA 2031599	AA	19910608	CA 1990-2031599	19901205
	EP 431593	A2	19910612	EP 1990-123316	19901205
	EP 431593	A3	19920916		
	EP 431593	B1	19941221		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	ES 2068975	T3	19950501	ES 1990-123316	19901205
	CN 1053046	A	19910717	CN 1990-110310	19901207
	CN 1030643	B	19960110		
PRAI	JP 1989-206336	A	19890809		
	JP 1989-320141	A	19891207		

OS MARPAT 115:275222

AB The title membranes have a porous **membrane** structure with a pore size distribution such that the **membrane** does not permeate $\geq 90\%$ of particles of $0.5 \mu\text{m}$ size when the **membrane** is 0.1 mm **thick**. It is composed of a material having a N-containing compound and is liquid-permeable to **adsorb** and retain phosphopolyols (**nucleic** acids, lipopolysaccharides, glycerol phosphates, etc.). The membranes are especially useful for removal of pyrogens from a liquid. Thus, poly(vinyl alc.) hollow fiber membranes were epoxidized with epichlorohydrin, then treated with hexamethylenediamine. The resulting **membrane** was used to remove Escherichia coli-derived pyrogens from untreated water. When the amount of permeated liquid was 22 mL (of a 42 mL sample), the pyrogen removal was 99.99%. Preparation of other membranes [e.g. a histidine-containing poly(vinyl alc.) **membrane**] is described, as is pyrogen removal from physiol. saline, a cytochrome c solution, and a solution of human serum albumin.